Kinser, Robin D.

From:

Kinser, Robin D.

Sent:

Monday, April 15, 2002 4:08 PM

To: Cc: Amador, Jennifer Kinser, Robin D.

Subject:

FW: "health effects" biomarkers spreadsheet

Hi Jennifer-

What follows is the correspondence Hans and I had about the biomarkers of potential harm spreadsheet. I'm also going to attach my draft spreadsheet itself. This hasn't been modified to include Hans's item, but it will give you a picture of what I'd like to end up with.



biomarker effect.xls

As always, it is such a delight to work with you!

--Robin

---Original Message--

From:

Roethig, Hans

Sent:

Thursday, April 04, 2002 8:48 AM

To:

Kinser, Robin D.

Subject:

RE: "health effects" biomarkers spreadsheet

Dear Robin,

I would add, what increases or decreases are predictive for concerning pathophysiology, organ or disease. The literature is probably in the thousands, so you may reference reviews or books only. Our special interest are the changes in relation to smoking, I would not reference anything else, except if there are several methods you want to compare.

Best regards

Hans

---Original Message ---

From:

Kinser, Robin D.

Sent:

Wednesday, April 03, 2002 7:37 PM

Co:

Roethig, Hans Kinser, Robin D.

Subject:

"health effects" biomarkers spreadsheet

Hans--

The information I want to include on the next spreadsheet is:

Biomarker

Matrix (Biofluid)

Analysis

"typical" level for overall population, for males, for females

Adult smoker level for all adult smokers, for adult male smokers, for adult female

smokers

Adult non-smoker level for all adult non-smokers, for adult male non-smokers, for

adult female non-smokers

Half-life data?

Literature references

What else would you add? Is there anything you would delete? Thanks for the feedback.

--Robin

Robin Kinser 804-274-5905 Robin.D.Kinser@pmusa.com